

25X1A

REPLY TO
ATTN OF:

24 July 1963

25X1A

TO :

SUBJECT: Request for Change in Electrical Service To and Within the
Auxiliary Equipment Building

References: DWG, E-3, Sheet 23 of 25, Electrical Plans

DWG, E-5, Sheet 25 of 25, Exterior Electrical Plans

DWG, AS-1, Sheet 16 of 25, Plans, Section & Details Auxiliary Bldg

1. It is requested that the [redacted] make the necessary arrangements to effect the following changes in the electrical services to and within the Auxiliary Equipment Building. These changes are required to increase the overall efficiency of the antenna system and are in accordance with the mission.

a. Add electrical manholes (Total 2); one to be placed 5 feet outside of the main operations building, and the second to be placed 5 feet outside of the auxiliary Equip Bldg for termination of concrete ducts in the underground wiring system.

b. Eliminate one #12 2/C "P.V.C." in the concrete duct from the Operations Bldg to the Aux Equip Bldg. Four (4)-hole concrete duct should be provided from the Ops bldg to the manhole with duct connections for the Aux Equip Bldg and for main service from the transformers. Two (2)-hole concrete duct should be provided from this manhole to the Auxiliary Equipment Building.

c. Three #6 wires should be run from the new manhole outside the Aux Equip Bldg to Panel "A" inside the Auxiliary Equipment Building.

d. The P-150 W light fixture and circuit "A-1" are to be ELIMINATED in the Auxiliary Equipment Building.

e. Two #12 wires should be run in 2-inch conduit from Panel "A" in the Aux Equip Bldg to 2-inch galvanized steel grounding pipe in center of the conical base which is located in the center of the Aux Equip Bldg. The breaker formerly used for Circuit "A-1" should NOW BE USED for this new circuit.

f. The burial depth of grounding wires for counterpoise system should be CHANGED from 3 feet plus-or-minus 3 inches, to being run EXPOSED on top of finished grade due surface rock encountered in the way of grounding wires.

(Continued Page 2)

CONFIDENTIAL

~~SECRET~~
CONFIDENTIAL

(Continuation PAGE 2)

2. It was pointed out to the using agency that no reinforcing rods were included for the auxiliary equipment building foundation walls and footings. This is to verify that they were purposely eliminated since an excess of metal in this building would enhance the efficiency of the equipment. DO NOT USE REINFORCING RODS IN AUXILIARY EQUIPMENT BUILDING. We would also like to point out that the 20 foot wall dimensions in this building are INSIDE MEASUREMENTS regardless of what the plans or specifications may say. Please stress this particular point to the A&E Inspector and the contractor.

3. Please pass copies of this memorandum to the A&E firm and the contractor as indicated on the distribution below.

25X1A

DISTRIBUTION

[REDACTED] Original and 1cc
A&E Inspector, 1 cc
Contractor, 1 cc

~~SECRET~~

CONFIDENTIAL